

Application No. 10/092,048
Amendment "C" dated November 3, 2005
Reply to Office Action mailed September 9, 2005

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A radio module for use by one or more devices in a wireless network, wherein performance of the radio module varies based on position of the radio module within the wireless network, the radio module comprising:
 - an antenna module that includes an antenna and is an integral part of the radio module;
 - a plurality of other modules including a baseband module that performs demodulation and decoding on signals received over the antenna module and that performs modulation and coding on signals transmitted by the antenna module;
 - a first interface that is configured to directly connect one of the plurality of other modules with a host device when the first interface is in use;
 - a second interface that is configured to directly connect another of the plurality of other modules to the host device when the second interface is in use; and
 - a physical interface that detachably connects the radio module with the host device such that the radio module may be positioned within the wireless network without fixing the host device's location.
2. (Original) A radio module as defined in claim 1, wherein the antenna module receives power from the host device through the physical interface.
3. (Previously Presented) A radio module as defined in claim 1, wherein the plurality of other modules comprises a host interface module.
4. (Currently amended) A radio module as defined in claim 3, wherein the host interface module comprises one of: a USB interface, an Ethernet interface, or and a IEEE 1394 interface.

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5. (Original) A radio module as defined in claim 3, wherein the host interface module provides store and forward capabilities.

6. (Previously Presented) A radio module as defined in claim 1, wherein the plurality of other modules comprises a wireless data link layer module.

7. (Previously Presented) A radio module as defined in claim 1, wherein the plurality of other modules comprises a wireless media access control module.

8. (Previously Presented) A radio module as defined in claim 1, wherein the physical interface comprises a cable that permits the radio module to be optimally positioned within the wireless network independent of the host device.

9. (Original) A radio module as defined in claim 1, further comprising a user interface that indicates to a user when the radio module is optimally positioned within the wireless network.

10-22. (Cancelled)